

Write an algebraic expression to describe the sequence:

1	2	3	4	5	6	...	n
17	25	33	41	49	57		

$$8n + 9$$

Can you make a triangle with the following measurements?

A. 4 cm, 4 cm, 4 cm

yes!

B. 10 in., 12 in., 6 in.

yes!

no!

C. 33 mm, 5 mm, 21 mm

$$4 + 4 > 4$$

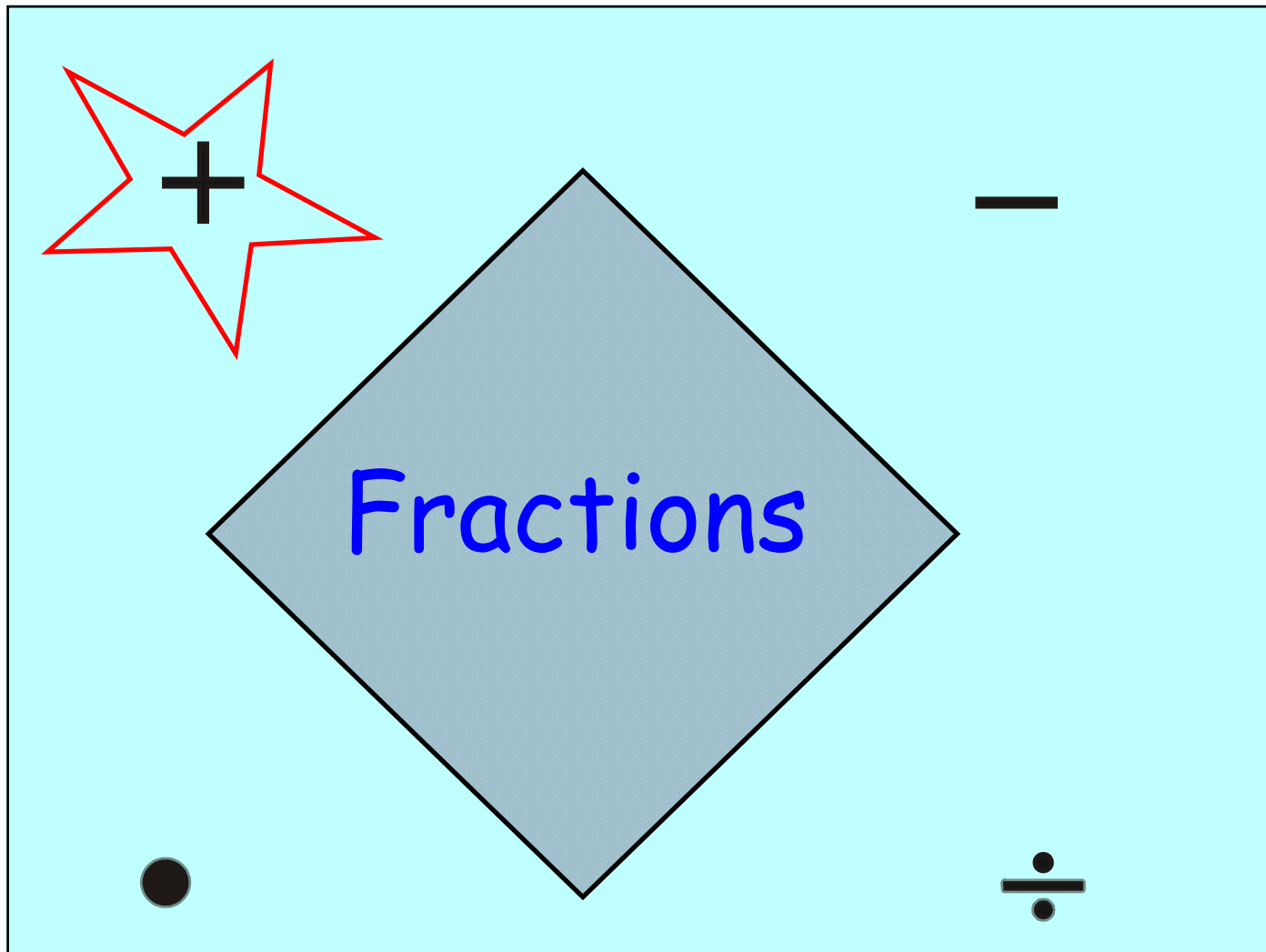
$$8 > 4$$

$$21 + 5 > 33$$

$$26 > 33$$

$$10 + 6 > 12$$

$$16 > 12$$



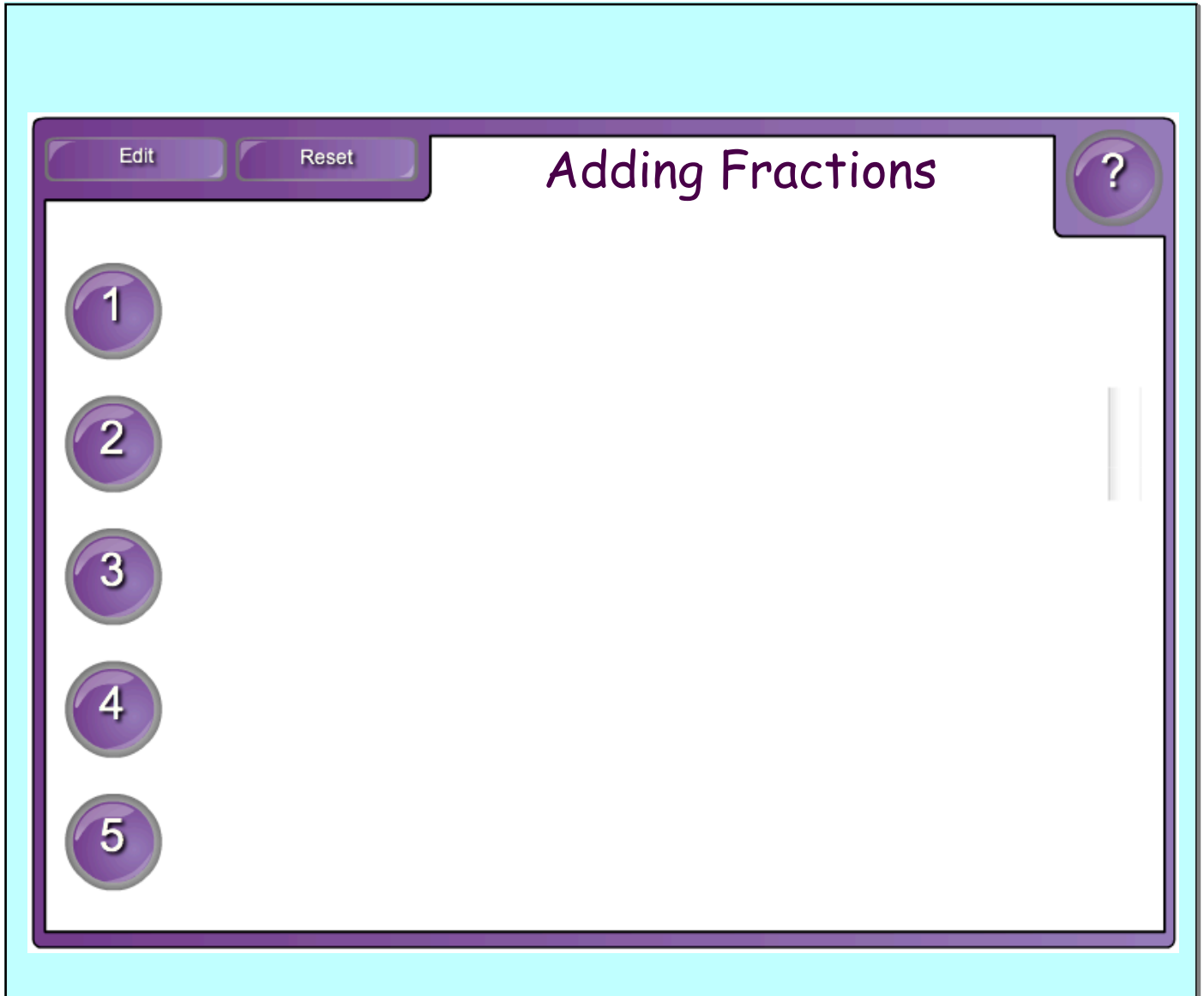
finding common  
denominators

## Adding Fractions

JUST get common denominators.

Make equivalent fractions  
(find a number that both  
denominators can go into).

$$\begin{array}{r}
 \frac{3}{4} \text{ @ } \frac{15}{20} \\
 + \frac{4}{5} \text{ @ } \frac{16}{20} \\
 \hline
 \frac{31}{20} = 1 \frac{11}{20}
 \end{array}$$



Examples:

$$1) \quad \frac{7}{9} = \frac{7}{9}$$

$$+ \frac{2}{3} = \frac{6}{9} \quad \frac{13}{9}$$


---


$$1\frac{4}{9}$$

$$2) \quad 2\frac{2}{3} = 2\frac{10}{15}$$

$$+ 1\frac{2}{5} = 1\frac{6}{15}$$


---

$$3\frac{16}{15} = 4\frac{1}{15}$$

$$3) \quad 7\frac{4}{7} = \frac{24}{7}$$

$$+ 3\frac{5}{6} = \frac{35}{6}$$


---

$$10\frac{59}{42} = 11\frac{17}{12}$$

$$\textcircled{4} \quad 6\frac{1}{4} = \frac{3}{12}$$

$$+ 5\frac{5}{6} = \frac{10}{12}$$


---


$$11\frac{11}{12}$$

## Multiplying Fractions

YEA! NO common denominators for multiplying!



There are 2 different ways to solve multiplication. You pick the one that makes sense to you!